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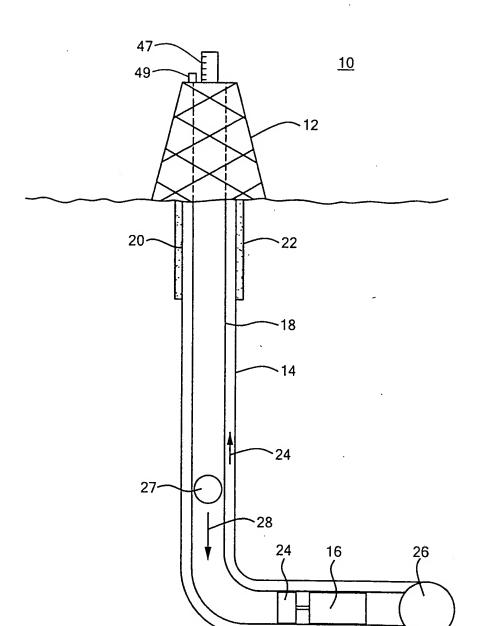
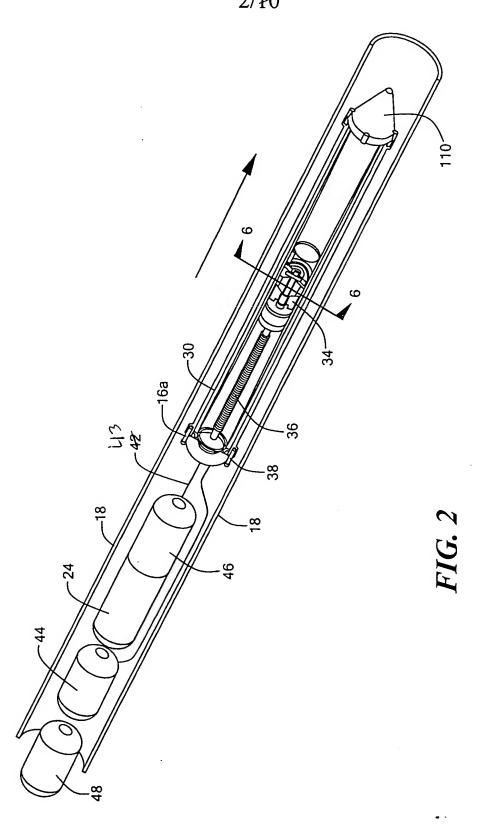


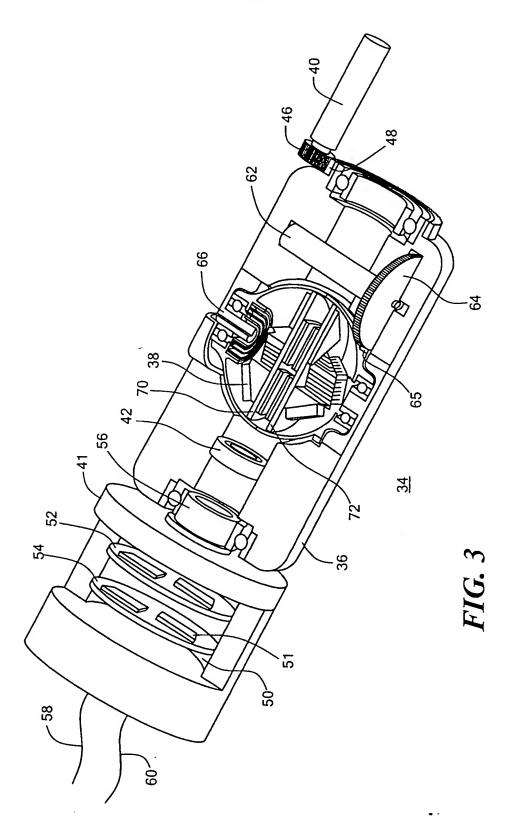
FIG. 1

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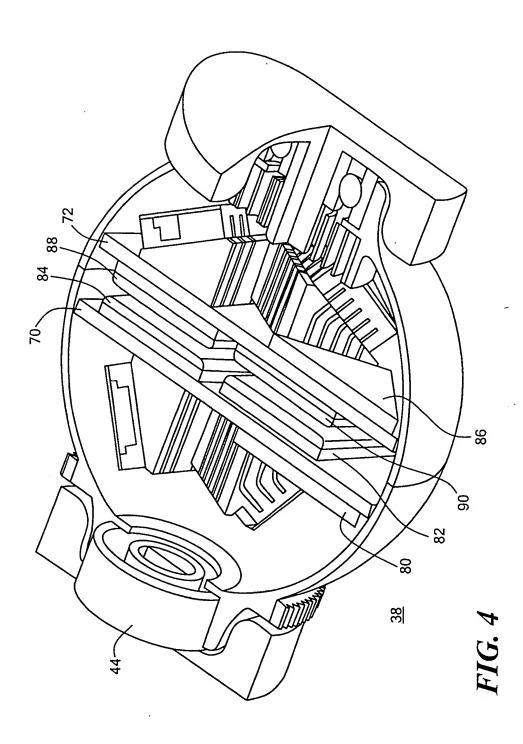


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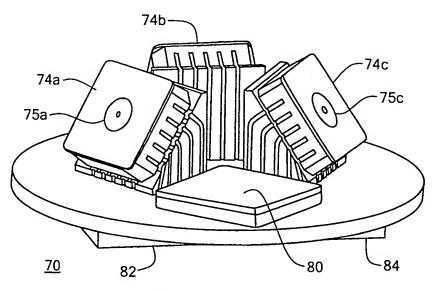


AND METHOD

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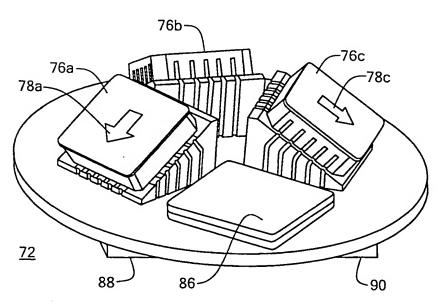
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Accel Board Assembly

FIG. 5A



Gyro Board Assembly

FIG. 5B

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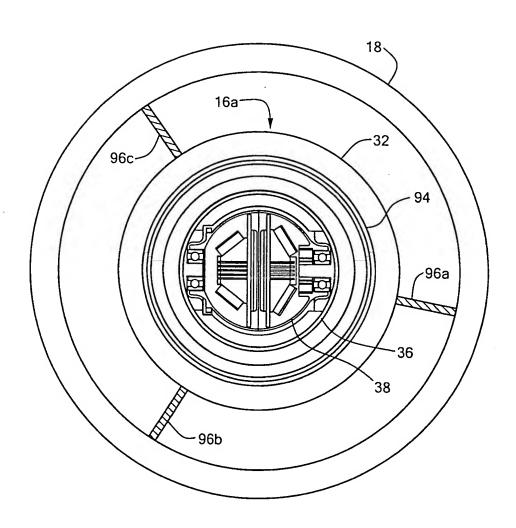


FIG. 6

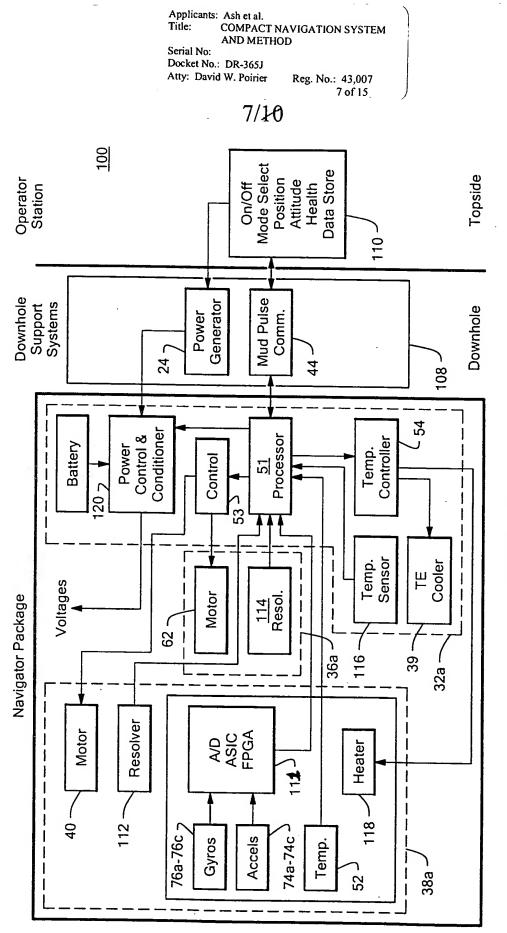


FIG. 7

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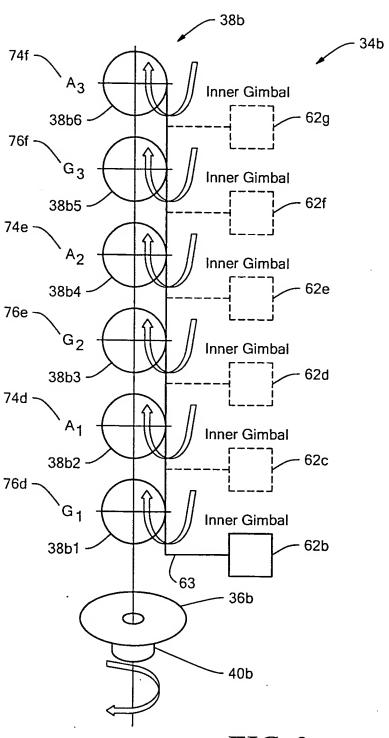
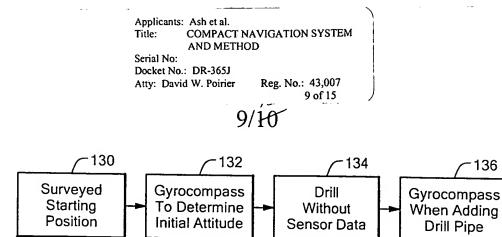


FIG. 8



DEAD RECKONING FOR KINEMATIC NAVIGATION WHILE DRILLING BETWEEN GYROCOMPASSES

140

FIG. 9

136

-138

Dead Reckoning Kinematic Navigation For Previous L Distance

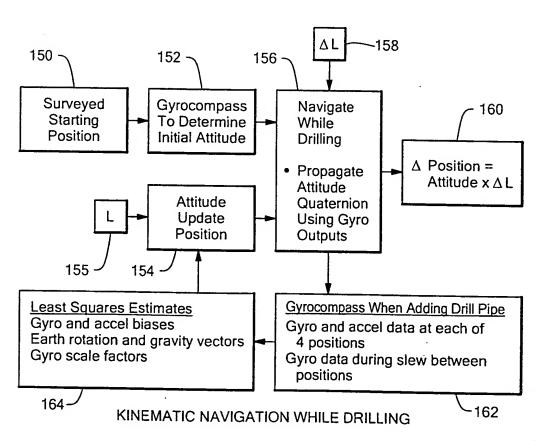
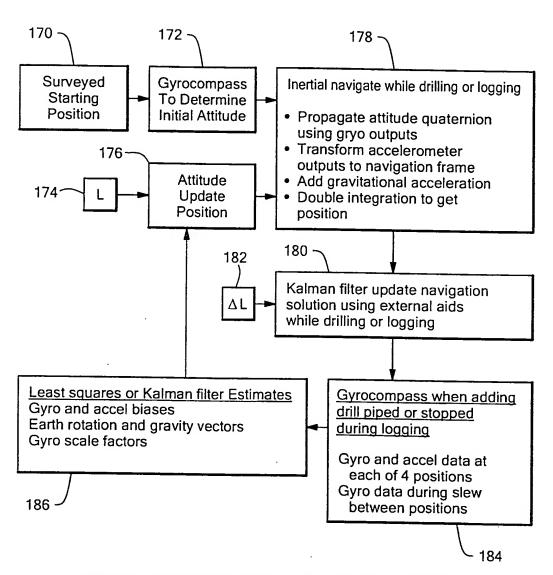


FIG. 10

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INERTIAL NAVIGATION WHILE DRILLING OR LOGGING

FIG. 11

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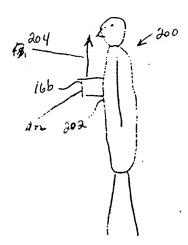
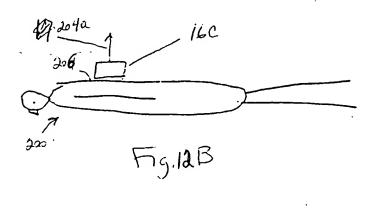
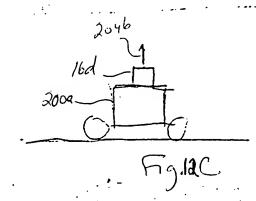
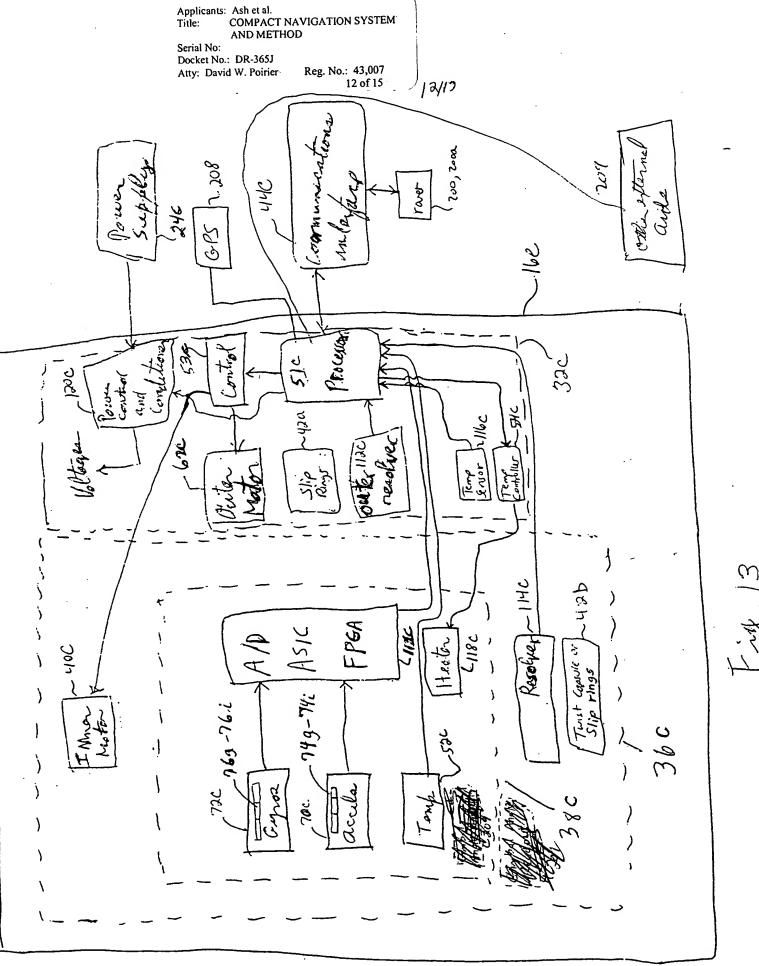


Fig.12A





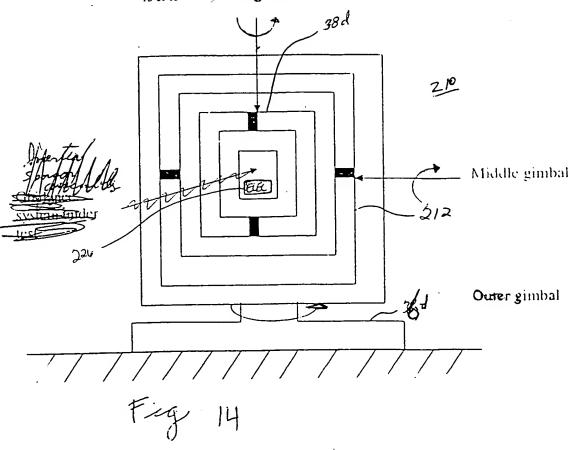


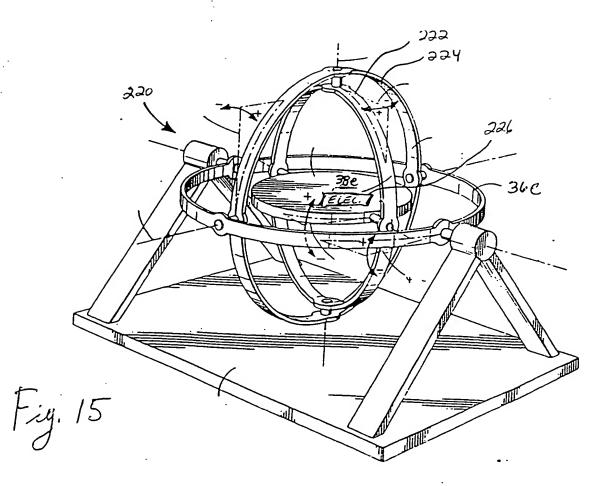
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Innergimbal





Applicants: Ash et al.

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